

AIRGAS INC  
Form S-8 POS  
May 23, 2016

As filed with the Securities and Exchange Commission on May 23, 2016

**Registration No. 33-21780**

**Registration No. 33-21818**

**Registration No. 33-25419**

**Registration No. 33-33954**

**Registration No. 33-64058**

**Registration No. 333-28261**

**Registration No. 333-75256**

**Registration No. 333-107872**

**Registration No. 333-136461**

**Registration No. 333-42023**

**Registration No. 333-75258**

**Registration No. 333-100187**

**Registration No. 333-117965**

**Registration No. 333-136463**

**Registration No. 333-137185**

**Registration No. 333-161660**

**Registration No. 333-170139**

**Registration No. 333-174883**

**Registration No. 333-175676**

**Registration No. 333-183372**

**Registration No. 333-196664**

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**Post-Effective Amendment No. 3 to**  
**Form S-8 Registration Statement No. 33-21780**

**Post-Effective Amendment No. 2 to**  
**Form S-8 Registration Statement No. 33-21818**

**Post-Effective Amendment No. 4 to**  
**Form S-8 Registration Statement 33-25419**

**Post-Effective Amendment No. 4 to**  
**Form S-8 Registration Statement No. 33-33954**

**Post-Effective Amendment No. 2 to**  
**Form S-8 Registration Statement No. 33-64058**

**Post-Effective Amendment No. 1 to**  
**Form S-8 Registration Statement No. 333-28261**

**Post-Effective Amendment No. 1 to**  
**Form S-8 Registration Statement No. 333-75256**

**Post-Effective Amendment No. 1 to**  
**Form S-8 Registration Statement No. 333-107872**

**Post-Effective Amendment No. 1 to**  
**Form S-8 Registration Statement No. 333-136461**

**Post-Effective Amendment No. 2 to**  
**Form S-8 Registration Statement No. 333-42023**

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**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-75258**

**Post-Effective Amendment No. 2 to**

**Form S-8 Registration Statement No. 333-100187**

**Post-Effective Amendment No. 2 to**

**Form S-8 Registration Statement No. 333-117965**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-136463**

**Post-Effective Amendment No. 2 to**

**Form S-8 Registration Statement No. 333-137185**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-161660**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-170139**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-174883**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-175676**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-183372**

**Post-Effective Amendment No. 1 to**

**Form S-8 Registration Statement No. 333-196664**

***UNDER***

***THE SECURITIES ACT OF 1933***

**AIRGAS, INC.**

**(Exact name of registrant as specified in its charter)**

**Delaware**  
**(State or Other Jurisdiction of**  
**Incorporation or Organization)**

**56-0732648**  
**(I.R.S. Employer**  
**Identification No.)**

**259 North Radnor-Chester Road, Suite 100**

**Radnor, PA 19087-5283**

**(610) 687-5253**

**(Address, including Zip Code, and Telephone Number, including**  
**Area Code, of Registrant's Principal Executive Offices)**

**Airgas, Inc. 1988 Stock Option Plan**

**Airgas, Inc. 1988 Employee Stock Purchase Plan**

**Airgas, Inc. 1997 Stock Option Plan**

**Airgas, Inc. 1984 Stock Option Plan**

**Carbonic Industries Corporation 1994 Stock Option Plan**

**Airgas, Inc. 2003 Employee Stock Purchase Plan**

**Airgas, Inc. 1997 Directors' Stock Option Plan**

**Airgas, Inc. 1997 Directors' Stock Option Plan, as amended**

**Airgas, Inc. Deferred Compensation Plan**

**Airgas, Inc. 1997 Stock Option Plan, as amended**

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**Airgas, Inc. Deferred Compensation Plan II**

**Airgas, Inc. 2006 Equity Incentive Plan**

**Airgas, Inc. Amended and Restated 2006 Equity Incentive Plan**

**Airgas, Inc. Amended and Restated 2003 Employee Stock Purchase Plan**

**Airgas, Inc. 401(k) Plan**

**Airgas, Inc. Second Amended and Restated 2006 Equity Incentive Plan**

**Robert H. Young, Jr.**

**Senior Vice President and General Counsel**

**Airgas, Inc.**

**259 North Radnor-Chester Road, Suite 100**

**Radnor, Pennsylvania 19087**

**(610) 687-5253**

**(Name, Address, and Telephone Number, including Area Code, of Agent for Service)**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒

Accelerated filer ☐

Non-accelerated filer ☐ (Do not check if a smaller reporting company)

Smaller reporting company ☐

### EXPLANATORY NOTE

This Post-Effective Amendment (this Post-Effective Amendment ) relates to the following Registration Statements on Form S-8 (collectively, the Registration Statements ) of Airgas, Inc. (the Registrant ) (note that the share numbers listed below do not take into account corporate actions, such as stock splits, taken in the interim):

Registration Statement on Form S-8 (File No. 33-21780) registering 202,400 shares of common stock, par value \$0.01 per share ( Common Stock ), pursuant to the Airgas, Inc. 1988 Stock Option Plan.

Registration Statement on Form S-8 (File No. 33-21818) registering 200,000 shares of Common Stock pursuant to the Airgas, Inc. 1988 Employee Stock Purchase Plan.

Registration Statement on Form S-8 (File No. 33-25419) registering 65,000 shares of Common Stock pursuant to the Airgas, Inc. 401(k) Plan.

Registration Statement on Form S-8 (File No. 33-33954) registering 750,000 shares of Common Stock pursuant to the Airgas, Inc. 1984 Stock Option Plan.

Registration Statement on Form S-8 (File No. 33-64058) registering 1,000,000 shares of Common Stock pursuant to the Airgas, Inc. 401(k) Plan.

Registration Statement on Form S-8 (File No. 333-28261) registering 196,571 shares of Common Stock pursuant to the Carbonic Industries Corporation 1994 Stock Option Plan.

Registration Statement on Form S-8 (File No. 333-75256) registering 2,000,000 shares of Common Stock pursuant to the Airgas, Inc. 401(k) Plan.

Registration Statement on Form S-8 (File No. 333-107872) registering 1,500,000 shares of Common Stock pursuant to the Airgas, Inc. 2003 Employee Stock Purchase Plan.

Registration Statement on Form S-8 (File No. 333-136461) registering 2,000,000 shares of Common Stock under the Airgas, Inc. Amended and Restated 2003 Employee Stock Purchase Plan.

Registration Statement on Form S-8 (File No. 333-42023) registering 8,500,000 shares of Common Stock pursuant to the Airgas, Inc. 1997 Stock Option Plan and the Airgas, Inc. 1997 Directors' Stock Option Plan.

Registration Statement on Form S-8 (File No. 333-75258) registering \$6,000,000 of the Registrant's deferred compensation obligations pursuant to the Airgas, Inc. Deferred Compensation Plan.

Registration Statement on Form S-8 (File No. 333-100187) registering 3,200,000 shares of Common Stock pursuant to the Airgas, Inc. 1997 Stock Option Plan, as amended.

Registration Statement on Form S-8 (File No. 333-117965) registering 300,000 shares of Common Stock pursuant to the Airgas, Inc. 1997 Directors' Stock Option Plan, as amended.

Registration Statement on Form S-8 (File No. 333-136463) registering \$6,000,000 of the Registrant's deferred compensation obligations pursuant to the Airgas, Inc. Deferred Compensation Plan II.

Registration Statement on Form S-8 (File No. 333-137185) registering 8,592,638 shares of Common Stock pursuant to the Airgas, Inc. 1997 Stock Option Plan, as amended, the Airgas, Inc. 1997 Directors' Stock Option Plan, as amended, that were registered under prior registration statements (1,311,799 shares remaining for issuance under the Airgas, Inc. 1997 Stock Option Plan, as amended, and the Airgas, Inc. 1997 Directors' Stock Option Plan, as amended and up to 7,280,839 shares of Common Stock subject to outstanding options under the Airgas, Inc. 1997 Stock Option Plan, as amended, and the Airgas, Inc. 1997 Directors' Stock Option Plan, as amended that terminated, expired or were canceled without having been exercised and which were reserved for issuance under the Airgas, Inc. 2006 Equity Incentive Plan), and 3,200,000 shares of Common Stock pursuant to the Airgas, Inc. 2006 Equity Incentive Plan.

Registration Statement on Form S-8 (File No. 333-161660) registering 2,600,000 shares of Common Stock pursuant to the Airgas, Inc. Amended and Restated 2006 Equity Incentive Plan.

Registration Statement on Form S-8 (File No. 333-170139) registering 2,000,000 shares of Common Stock pursuant to the Airgas, Inc. Amended and Restated 2003 Employee Stock Purchase Plan.

Registration Statement on Form S-8 (File No. 333-174883) registering \$6,000,000 of the Registrant's deferred compensation obligations pursuant to the Airgas, Inc. Deferred Compensation Plan II.

Registration Statement on Form S-8 (File No. 333-175676) registering 2,000,000 shares of Common Stock pursuant to the Airgas, Inc. 401(k) Plan.

Registration Statement on Form S-8 (File No. 333-183372) registering 4,000,000 shares of the Registrant's Common Stock pursuant to the Airgas, Inc. Second Amended and Restated 2006 Equity Incentive Plan.

Registration Statement on Form S-8 (File No. 333-196664) registering \$20,000,000 of the Registrant's deferred compensation obligations pursuant to the Airgas, Inc. Deferred Compensation Plan II.

On November 17, 2015, the Registrant entered into an Agreement and Plan of Merger (the Merger Agreement) with L'Air Liquide, S.A., a *société anonyme* organized under the laws of France (Air Liquide) and AL Acquisition Corporation, a Delaware corporation and an indirect wholly owned subsidiary of Air Liquide (Merger Sub). Pursuant to the Merger Agreement, Merger Sub merged with and into the Registrant on May 23, 2016, with the Registrant continuing as the surviving company and as an indirect wholly owned subsidiary of Air Liquide (the Merger). At the effective time of the Merger, each outstanding share of Common Stock (other than shares owned by the Registrant or any of its subsidiaries or Air Liquide or any of its subsidiaries (including Merger Sub), which were cancelled, and Dissenting Shares (as defined in the Merger Agreement)), was automatically converted into the right to receive \$143.00 in cash.

In connection with the Merger, the Registrant is terminating the Registration Statements and deregistering the remaining securities registered but unsold under the Registration Statements, if any, in accordance with an undertaking made by the Registrant in the Registration Statements to remove from registration, by means of a post-effective amendment, any of the securities that had been registered for issuance that remain unsold at the termination of the offerings. The Registrant hereby amends the Registration Statements, as appropriate, to reflect the deregistration of such securities.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment to the Registration Statements on Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Radnor, State of Pennsylvania, on May 23, 2016. No other person is required to sign this Post-Effective Amendment to the Registration Statements in reliance upon Rule 478 under the Securities Act of 1933, as amended.

AIRGAS, INC.

By: /s/ Robert H. Young, Jr.

Name: Robert H. Young, Jr.

Title: Senior Vice President and General  
Counsel